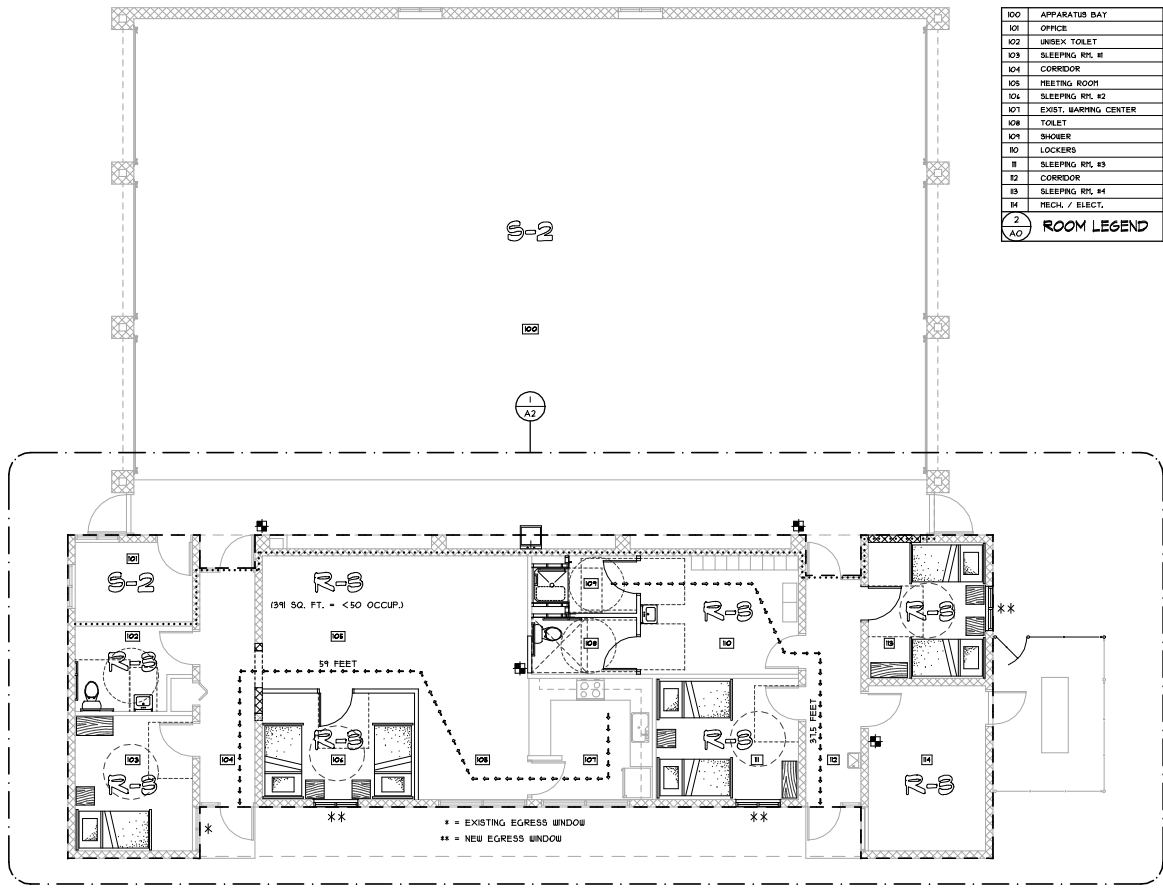


DATE POSTED: 8/10/2023 RUTTED BY: J.F. FEE LOCATION: AUS2035 - LC EIB FLOOR: 1st FLOOR AD OWNER: LINDHOUT ASSOCIATES ARCHITECTS PC AS THE ARCHITECT AND THE SUBJECT MATTER CONTAINED HEREIN IS PROPRIETARY AND IS NOT TO BE REPRODUCED WITHOUT WRITTEN APPROVAL. COPYRIGHT © 2023 LINDHOUT ASSOCIATES ARCHITECTS PC



100	APPARATUS BAY
101	OFFICE
102	UNISEX TOILET
103	SLEEPING RPT. #1
104	CORRIDOR
105	MEETING ROOM
106	SLEEPING RPT. #2
107	EXIST. BARRING CENTER
108	TOILET
109	SHOWER
110	LOCKERS
111	SLEEPING RPT. #3
112	CORRIDOR
113	SLEEPING RPT. #4
114	MECH. / ELECT.
2	AG

**ROOM LEGEND**

- ..... 2 HR. RATED FIRE BARRIER (SECTIONS 508.4.1.1)
- - - - - EXIT ACCESS TRAVEL DISTANCE (SECTIONS 101)
- - - - - WORK AREA (250 SQ. FT.)
- ☒ PORTABLE FIRE EXTINGUISHER LOCATION

**NOTES:**  
 VERIFY ALL EXISTING BUILDING CONDITIONS IN FIELD, INCLUDING CONSTRUCTION MATERIALS, DIMENSIONS, AND VERTICAL ELEVATIONS PRIOR TO FABRICATION AND ERECTION OF ALL MATERIALS. NOTIFY ARCHITECT WITH ANY DISCREPANCIES.



SCALE: 3/16" = 1'-0"

**REFERENCE FLOOR PLAN**

# LIVINGSTON COUNTY E.M.S. FOWLERVILLE SUBSTATION INTERIOR RENOVATIONS

200 N. GRAND STREET, FOWLERVILLE, MI 48836



**CONTACT INFORMATION**

**OWNER:** LIVINGSTON COUNTY FACILITY SERVICES  
 CONTACT: 425 N. BURLINGTON FACILITY SERVICES DIRECTOR  
 EMAIL: lfcgs@lscmi.org  
 PHONE: 810-227-2960

**ARCHITECT:** LINDHOUT ASSOCIATES ARCHITECTS  
 CONTACT: BRAD ALVORD, P  
 PROJECT MANAGER  
 EMAIL: brad@lindhout.com  
 PHONE: 810-227-5668

SHEET INDEX	
A0	COVER / REFERENCE PLAN
A1	ARCHITECTURAL REFERENCES
A2	DEMO/FLOOR PLAN R.C.P.
A6	PLAN, SCHEDS, INT. ELEV.S.
MPI	SCHEM. PLUMBING PLAN
EI	SCHEM. ELECTRICAL PLAN

## CODE ANALYSIS

**APPLICABLE CODES:**

- 2015 MICHIGAN BUILDING CODE
- 2015 MICHIGAN REHABILITATION CODE - PRESCRIPTIVE COMPLIANCE METHOD, LEVEL 2 ALTERATIONS. (102.11.2)
- 2015 INTERNATIONAL FIRE CODE
- 2015 MICHIGAN MECHANICAL CODE
- 2015 MICHIGAN PLUMBING CODE
- 2014 MICHIGAN ELECTRIC CODE (2011 NEC) w/ PART 8 STATE AMENDMENTS.
- 2009 ICC/ANSI A117.1 + M BARRIER FREE DES. LAW ACT OF 194 AS AMENDED

**USE GROUPS:**  
 R-3, S-2 SEPARATED MIXED USE.

**BUILDING HEIGHT and AREA:**  
 GROSS BUILDING AREA = 5,448 SQ. FT. (UNCHANGED BY NEW WORK).  
 GROSS WORK AREA = 2,091 SQ. FT. (13%)  
 MAX. BUILDING HEIGHT = 11'-0" (UNCHANGED BY NEW WORK)

**CONSTRUCTION TYPE (existing):**  
 TYPE 5B (UNCHANGED BY NEW WORK)

**FIRE RESISTANCE RATING - TYPE 5B CONSTRUCTION:**

STRUCTURAL FRAME	0 HRS.
INT., EXT. BEARING WALLS	0 HRS.
INT., EXT. NON-BEARING WALLS	0 HRS.
FLOOR CONSTRUCTION	0 HRS.
ROOF CONSTRUCTION	0 HRS.
CORRIDOR WALLS	0 HRS.
FIRE BARRIERS SEPARATING OCCUPANCIES	2 HRS.

**FIRE SUPPRESSION SYSTEM:**  
 BUILDING IS NOT PROTECTED BY AN APPROVED AUTOMATIC FIRE SUPPRESSION SYSTEM. A LIMITED AREA FIRE SUPPRESSION SYSTEM, IN ACCORDANCE WITH NFPA OR CONNECTED TO THE DOMESTIC WATER SYSTEM, SHALL BE ADDED INTO ALL 4 SLEEPING ROOMS. (103.3.1.3)

**FIRE ALARM and DETECTION SYSTEMS:**  
 BUILDING IS NOT PROTECTED BY AN APPROVED FIRE ALARM OR EMERGENCY VOICE/ALARM SYSTEM AND NONE IS REQUIRED. (101.2)  
 SMOKE ALARMS SHALL BE ADDED INTO AND NEAR ALL 4 SLEEPING ROOMS AND OUTSIDE THE SHOWER ROOM. (101.2.2.4)

**DRAFTSTOPPING:**  
 DRAFTSTOPPING OF THE CONCEALED SPACE ABOVE THE CEILING IS NOT REQUIRED. (118.4.3)  
 THIS AREA DOES NOT EXCEED 3,000 SQ. FT.

**EGRESS REQUIREMENTS:**  
 EXISTING EXIT WIDTHS, EXIT TRAVEL DISTANCES, AND ACCESSIBLE ROUTES ALL COMPLY WITH OR GREATLY EXCEED CODE REQUIREMENTS AND ARE NOT AFFECTED BY THE NEW WORK.  
 SLEEPING ROOM EGRESS WINDOWS (EXISTING AND NEW) PROVIDE 20.15" x 45.25% OF NET CLEAR OPENING = 45 SQ. FT. MEETING ALL MIN. OPENING CLEARANCE DIMENSIONS. (103.2.2, 103.2.3)

**PLUMBING FIXTURE REQUIREMENTS:**  
 EXISTING REQUIRED PLUMBING FIXTURES COUNTS ARE NOT AFFECTED BY THE NEW WORK.  
 1 NEW SHOWER STALL IS BEING ADDED.

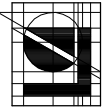
EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND BEING FAMILIAR WITH ALL THE EXISTING CONDITIONS PRIOR TO THE START OF NEW WORK. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS IN THE FIELD SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.

ALL MECHANICAL, ELECTRICAL AND PLUMBING MODIFICATIONS SHALL BE DELIVERED USING A DESIGN/BUILD DELIVERY METHOD. SCHEMATIC LAYOUTS FOR WORK IS SHOWN IN THE FOLLOWING DRAWINGS.

ALL LOW-VOLTAGE DATA, T.V., AND SOUND SYSTEM CABLINGS & DATA FACEPLATES SHALL BE BY COUNTY I.T. DEPARTMENT. ALL LOW VOLTAGE CONDUIT & J.B.'S ARE BY THE ELECTRICAL CONTRACTOR.

ALL CONTRACTORS SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS AND ARE RESPONSIBLE FOR COMPLETE REVIEW. DO NOT SCALE THE DRAWINGS.

IN THE CASE OF CONFLICTING INFORMATION, THE MOST STRINGENT REQUIREMENTS SHALL PREVAIL AND BE PROVIDED BY THE CONTRACTOR AS PART OF HIS BASE CONTRACT.



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 architects aia pc**  
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consultant

BOOKING  
 OWNER REVIEW  
 Issued for

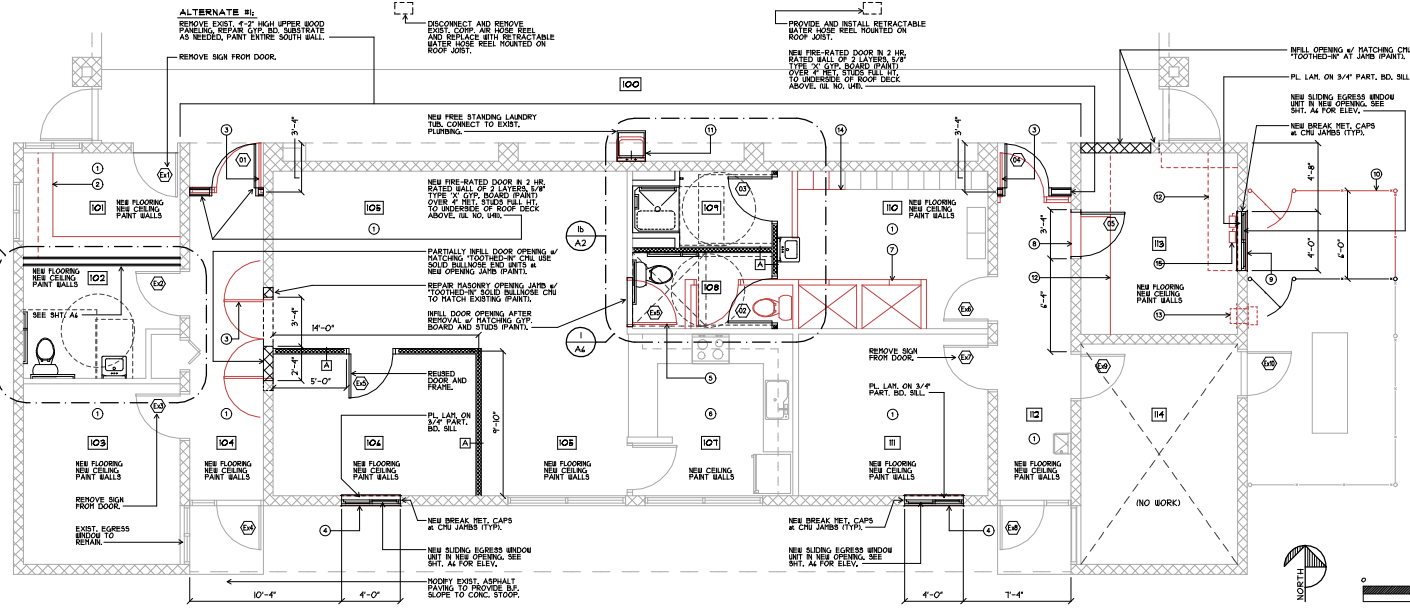
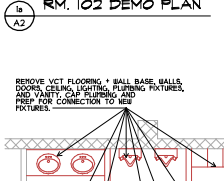
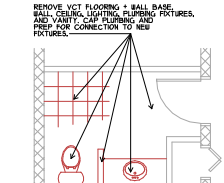
dr: J.F.  
 pl: J.F.  
 app: J.F.  
 8-14-23  
 8-30-23  
 date

SUBSTATION INTERIOR RENOVATIONS FOR  
 LIVINGSTON COUNTY EMS  
 FOWLERVILLE, MICHIGAN  
 COVER, FIRST FLOOR PLAN

**A0**  
**23055**



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- 1 REMOVE VCT FLOORING & BALL BASE, GULLS. PARTIAL OR WHOLE AS SHOWN IN REEL CUTTING. SEE LIGHT FIXTURES THROUGHOUT ROOM.
  - 2 REMOVE COURTSTOP AND SHELVS.
  - 3 REMOVE EXIST. DOOR & FRAME, ENCASED.
  - 4 REMOVE PARTIAL CHU BALL TO CREATE NEW 48" x 96" ENDOS WINDOW. SEE 48" x 34" AFF. PROVIDE NEW 8" PRECAST MASONRY INTEL. AT 7'-0" AFF. LEAVE EXIST. SHOWER ENCLOSURE, FLOORING, LIGHTING, AND FIXTURES, CAP PLUMBING.
  - 5 REMOVE PARTIAL CHU BALL TO CREATE NEW 3'-0" x 7'-0" DOOR OPENING. PROVIDE NEW PRECAST THROUGHPUT INTEL. AT 7'-0" AFF.
  - 6 REMOVE PARTIAL CHU BALL TO CREATE NEW 48" x 96" ENDOS OPENING. SEE 48" x 34" AFF. SEE REEL FOR WALL AND CORNER. INSTALL 1/2" STEEL PLATE, 80% SOFT. PROVIDE 6" MINIMUM CONCRETE AT ALL CORNERS.
  - 7 REMOVE PARTIAL CHU BALL TO CREATE NEW 48" x 96" ENDOS WINDOW. SEE 48" x 34" AFF. PROVIDE NEW 8" PRECAST MASONRY INTEL. AT 7'-0" AFF. LEAVE EXIST. SHOWER ENCLOSURE, FLOORING, LIGHTING, AND FIXTURES, CAP PLUMBING.
  - 8 REMOVE PARTIAL CHU BALL TO CREATE NEW 3'-0" x 7'-0" DOOR OPENING. PROVIDE NEW PRECAST THROUGHPUT INTEL. AT 7'-0" AFF.
  - 9 REMOVE PARTIAL CHU BALL TO CREATE NEW 48" x 96" ENDOS WINDOW. SEE 48" x 34" AFF. PROVIDE NEW 8" PRECAST MASONRY INTEL. AT 7'-0" AFF. LEAVE EXIST. SHOWER ENCLOSURE, FLOORING, LIGHTING, AND FIXTURES, CAP PLUMBING.
  - 10 REMOVE PARTIAL CHU BALL TO CREATE NEW 48" x 96" ENDOS WINDOW. SEE 48" x 34" AFF. PROVIDE NEW 8" PRECAST MASONRY INTEL. AT 7'-0" AFF. LEAVE EXIST. SHOWER ENCLOSURE, FLOORING, LIGHTING, AND FIXTURES, CAP PLUMBING.
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  - 14 REMOVE PARTIAL CHU BALL TO CREATE NEW 48" x 96" ENDOS WINDOW. SEE 48" x 34" AFF. PROVIDE NEW 8" PRECAST MASONRY INTEL. AT 7'-0" AFF. LEAVE EXIST. SHOWER ENCLOSURE, FLOORING, LIGHTING, AND FIXTURES, CAP PLUMBING.
- 2 DEMO NOTES**
- 3 PARTITION LEGEND**
- 4**
- A 1 LAYERS 5/8" GYP. RD. EA. 1/2" OF 1 1/2" x 3" x 8" JOIST @ 24" ON C. (PART).
  - A 2 PROVIDE NEW 8" PRECAST MASONRY INTEL. AT 7'-0" AFF. LEAVE EXIST. SHOWER ENCLOSURE, FLOORING, LIGHTING, AND FIXTURES, CAP PLUMBING.

SCALE: 1/4" = 1'-0"

- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DRAWINGS, SPECS. AND PERMIT COSTS AS REQUIRED TO PROVIDE A COMPLETE/OPERATIONAL HVAC SYSTEM TO THE OWNER THAT MEETS ALL CODE REQUIREMENTS.
- MECHANICAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF DESIGN AND CONSTRUCTION.
- EXIST. HVAC SYSTEM SHALL BE RECONFIGURED TO ACCOMMODATE NEW ROOM LAYOUT. RESETTING CONTROLS MECHANICAL CODE REQUIREMENTS.
- REBALANCE EXISTING SYSTEM PRIOR TO OTHER TAKING OCCUPANCY OF SPACES. SUBMIT FINAL BALANCING REPORT TO OWNER.
- COORDINATE NEW OR REVISED THERMOSTAT LOCATIONS WITH FACILITIES SERVICES REPRESENTATIVE.
- ALL FLEXIBLE DUCT RUNS SHALL BE LIMITED TO 6'-0" MAX. FROM HARD DUCT CONNECTION.
- ALL NEW AND EXISTING SUPPLY DUCTWORK INSIDE OF THE BUILDING IN UN-CONDITIONED SPACES (PLUMBING), SHALL BE INSULATED WITH MIN. R-3.5 DUCT WRAP, REMOVE EXISTING WRAP AS NEEDED.
- COORDINATE NEW DUCTWORK WITH BUILDING STRUCTURAL CONDITIONS, EQUIPMENT RANF, RECOMMENDATIONS, AND ALL OTHER TRADES TO AVOID INTERFERENCES.
- ALL MECHANICAL RELATED CORING THROUGH WALLS AND FLOORS SHALL BE BY THE MECHANICAL CONTRACTOR. SEAL ALL PENETRATIONS THROUGH RATED WALLS w/ RATED CALK SEALANT IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.
- ANY EXISTING DUCT PENETRATING RATED WALLS WILL REQUIRE FIRE DAMPERS BE INSTALLED. SEAL ANY PIPE OR CONDUIT PENETRATIONS THRU RATED WALLS WITH APPROVED FIRE CALK.

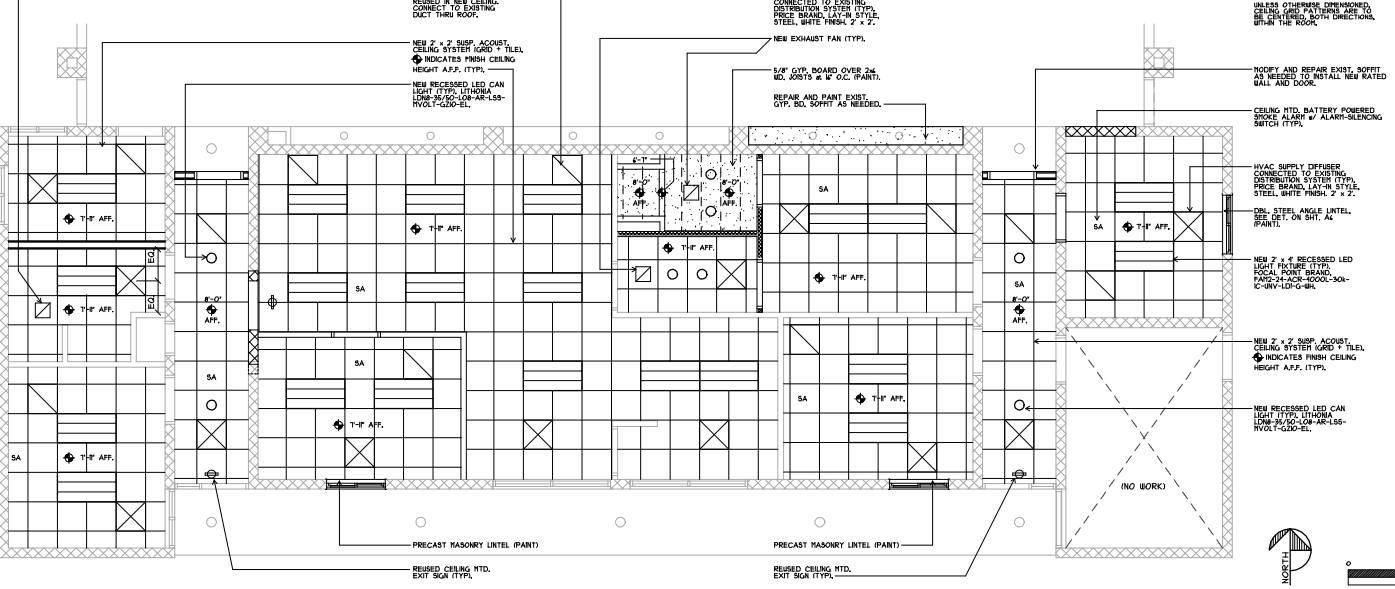
**DUCTWORK APPLICATION SCHEDULE:**

SUPPLY AIR DUCTWORK	INSTALLED WITH RETURN AIR FLEENIT - GALV. STEEL	1" DESIGN PRESSURE CLASSIFICATION
EXHAUST AIR DUCTWORK	INSTALLED WITH RETURN AIR FLEENIT - GALV. STEEL	1" DESIGN PRESSURE CLASSIFICATION
LINED RETURN AIR DUCTWORK	INSTALLED WITH RETURN AIR FLEENIT - GALV. STEEL	1" DESIGN PRESSURE CLASSIFICATION
UNLINED RETURN AIR DUCTWORK	INSTALLED WITH RETURN AIR FLEENIT - GALV. STEEL	1" DESIGN PRESSURE CLASSIFICATION

**4A HVAC DESIGN/BUILD CRITERIA**

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL DRAWINGS, SPECS. AND PERMIT COSTS AS REQUIRED TO PROVIDE A COMPLETE/OPERATIONAL LIGHTING SYSTEM TO THE OWNER THAT MEETS ALL CODE REQ.
- PROVIDE AUTOMATIC LIGHTING CONTROLS AND OCCUPANT SENSORS MECHANICAL ENERGY CODE REQ.
- PROVIDE DEDICATED NIGHT-LIGHT+ FIXTURES AND EGRESS LIGHTING PER CODE REQUIREMENTS.
- SEE PLAN FOR PROPOSED LIGHTING AND EGRESS LIGHTING FEATURE TYPES.

**4A LIGHTING DESIGN/BUILD CRITERIA**



- UNLESS OTHERWISE SPECIFIED, ALL CEILING AND PARTITION ARE TO BE CEILING. INDICATE DIRECTION, OTHER THE ROOM.
- REPAIR AND REPAIR EXIST. SUFFIT AS NEEDED TO INSTALL NEW RATED WALL AND DOOR.
- CEILING MTD. BATTERY POWERED SMOKE ALARM w/ ALARM-SOUNDING SWITCH (TYP).
- REPAIR AND REPAIR EXIST. SUFFIT AS NEEDED TO INSTALL NEW RATED WALL AND DOOR.
- NEW 2" x 4" RECESSED LED LIGHT FIXTURE (TYP. LOCAL POINT BRAND. PAR-16-ACR-8000-300-C-UV-LED-G-BA).
- NEW 2" x 2" SUSP. ACCOINT. CEILING SYSTEM (GRD. 7" TIE). SEE REEL FOR MOUNTING AND REPAIR. SEE REEL FOR MOUNTING AND REPAIR. SEE REEL FOR MOUNTING AND REPAIR.
- NEW 2" x 2" SUSP. ACCOINT. CEILING SYSTEM (GRD. 7" TIE). SEE REEL FOR MOUNTING AND REPAIR. SEE REEL FOR MOUNTING AND REPAIR. SEE REEL FOR MOUNTING AND REPAIR.
- NEW RECESSED LED CAN LIGHT (TYP). THINNA (R-10-100-1000-4-18-11VOLT-GD-EL).
- GENERAL NOTES**
- 5 ROOM LEGEND**
- |     |                       |
|-----|-----------------------|
| 100 | APPARATUS BAY         |
| 101 | OFFICE                |
| 102 | UNSAT. TOILET         |
| 103 | SLEEPING RR. #1       |
| 104 | CORRIDOR              |
| 105 | MEETING ROOM          |
| 106 | SLEEPING RR. #2       |
| 107 | EXIST. BARRING CENTER |
| 108 | TOILET                |
| 109 | SHOWER                |
| 110 | LOCKERS               |
| 111 | SLEEPING RR. #3       |
| 112 | CORRIDOR              |
| 113 | SLEEPING RR. #4       |
| 114 | MECH. / ELECT.        |
- 6**
- 7 LINE LEGEND**
- - - NEW CONSTRUCTION
  - ..... EXISTING TO REMAIN
  - - - HIDDEN WORK
  - ..... EXISTING TO BE REMOVED

SCALE: 1/4" = 1'-0"



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CONSULTANT

ISSUED FOR:  
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 DATE

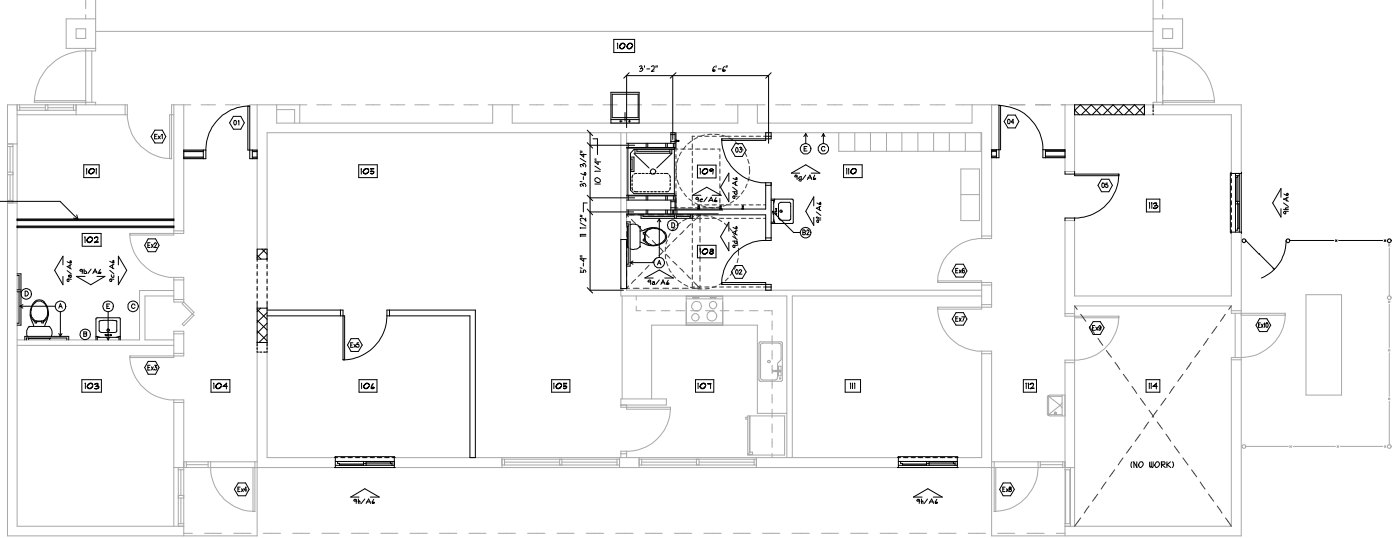
SUBSTATION INTERIOR RENOVATIONS (pt.)  
 LIVINGSTON COUNTY EMS  
 FOLEYVILLE, MICHIGAN  
**FLOOR PLAN, R.C.P.**

**A2**  
**28055**

DATE PLOTTED: 8/10/2023 9:45:02 AM; PLOTTED BY: J.A. REE; LOCATION: IN32005 - LC ERS; FILENAME: I:\PROJECTS\2023\IN32005\A6.rvt; C:\PROGRAMS\AUTOCAD\2023\ACAD.MPG; 1/4" = 1'-0"

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INSTALL ADDITIONAL 2x4 FRAMING FROM TOP OF WALL TO UNDER SIDE OF FRAMING AND ADD 1/2" GYP BOARD TO EA. SIDE OF WALL. ALL NO. USON - FIRE RATING.



- ACCESSORY LEGEND**
- (A) STAINLESS STEEL GRAB BARS (LENGTHS VARY #02)
  - (B) SOAP DISPENSER (BY OWNER)
  - (C) RECESSED CABINET, AS 4040
  - (D) SERP. HTD. PAPER TOWEL DISP. 4200-5
  - (E) SERP. HTD. TOILET PAPER HOLDER (BY OWNER)
  - (F) SERP. HTD. HERRER 24"x42" #180-2434

**REMARKS:**

- SEE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFO.
- ITEM MODEL NO.'S ARE BRADLEY CORP. U.O.A.
- PROVIDE WOOD BLOCKING WITHIN WALL CAVITY AS REQ'D. FOR ANCHORING OF ACCESSORIES.

- ROOM LEGEND**
- 100 APPARATUS BAY
  - 101 OFFICE
  - 102 UNSEX TOILET
  - 103 SLEEPING RPL #1
  - 104 CORRIDOR
  - 105 MEETING ROOM
  - 106 SLEEPING RPL #2
  - 107 EXIST. BARRING CENTER
  - 108 TOILET
  - 109 SHOWER
  - 110 LOCKERS
  - 111 SLEEPING RPL #3
  - 112 CORRIDOR
  - 113 SLEEPING RPL #4
  - 114 MECH. / ELECT.

- LINE LEGEND**
- NEW CONSTRUCTION
  - - - - EXISTING TO REMAIN
  - .... HIDDEN WORK
  - EXISTING TO BE REMOVED

**REFERENCE FLOOR PLAN**

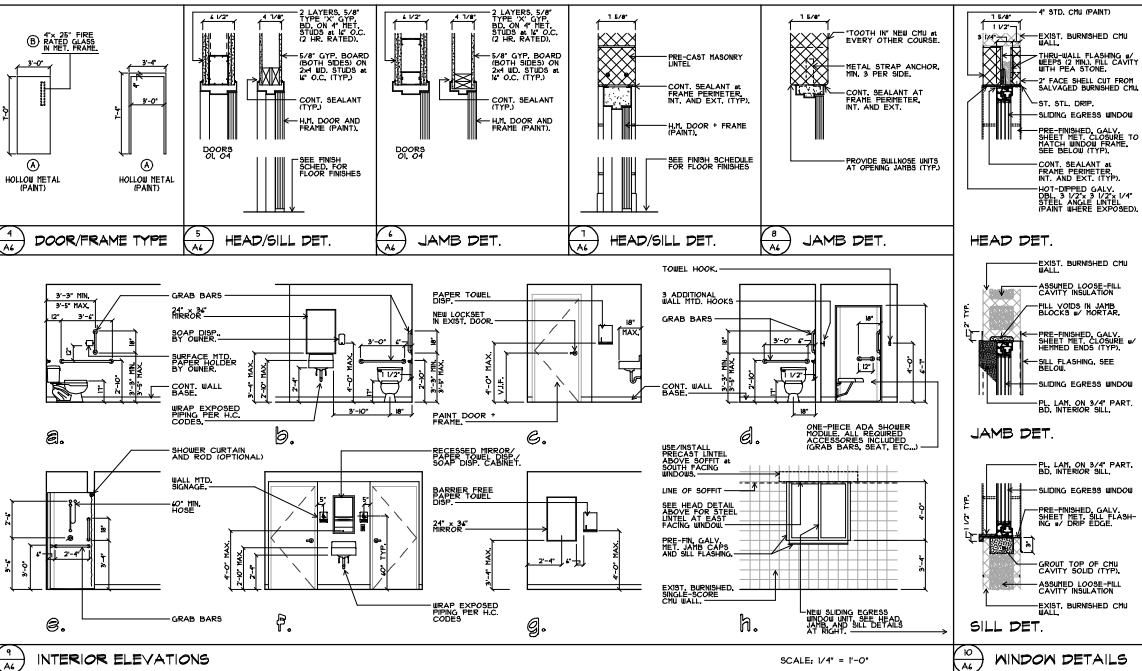
DOOR NO.	DOOR OPENING SIZE	DOOR TYPE	RAT.	FIN.	FRAME TYPE	RAT.	FIN.	HEAD	JAMB	SILL	FIRE RTG.	HDR. SET	REMARKS
Ex.1	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	1	PANT PLUS NEW HARDWARE.
Ex.2	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	2	PANT PLUS NEW HARDWARE.
Ex.3	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	3	PANT PLUS NEW HARDWARE.
Ex.4	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	-	PANT ONLY, EXIST. SECURITY HARDWARE TO REMAIN.
Ex.5	EXIST. - RELOCATED	-	-	PAINT	-	-	PAINT	-	-	-	-	3	PANT PLUS NEW HARDWARE (REMOVE EXIST. PUSH/PULL)
Ex.6	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	-	PANT ONLY, EXIST. SECURITY HARDWARE TO REMAIN.
Ex.7	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	3	PANT PLUS NEW HARDWARE.
Ex.8	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	-	PANT ONLY.
Ex.9	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	-	REPAIRS AS-IS.
Ex.10	EXIST. TO REHAB	-	-	PAINT	-	-	PAINT	-	-	-	-	-	REPAIRS AS-IS.
O1	3'-0" x 7'-0"	S	HR	PAINT	A	HR	PAINT	S/AL	L/AL	S/AL	NO HR	4	NEW DOOR + FRAME IN NEW STUD BALL.
O2	3'-0" x 7'-0"	A	HR	PAINT	A	HR	PAINT	S/AL	L/AL	S/AL	NO HR	5	NEW DOOR + FRAME IN NEW STUD BALL.
O3	3'-0" x 7'-0"	A	HR	PAINT	A	HR	PAINT	S/AL	L/AL	S/AL	NO HR	4	NEW DOOR + FRAME IN NEW STUD BALL.
O4	3'-0" x 7'-0"	S	HR	PAINT	A	HR	PAINT	S/AL	L/AL	S/AL	NO HR	4	NEW DOOR + FRAME IN NEW STUD BALL.
O5	3'-0" x 7'-0"	A	HR	PAINT	A	HR	PAINT	S/AL	L/AL	S/AL	NO HR	4	NEW DOOR + FRAME IN EXIST. CHU WALL.

**DOOR SCHEDULE** SEE SPECIFICATIONS FOR HARDWARE SET DESCRIPTIONS.

TYPE	FINISH MATERIALS	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	REMARKS
ROOM #		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
MECH/ELECT		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
SHOWER		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
TOILET		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
MEETING ROOM		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
SLEEPING RPL #1		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
SLEEPING RPL #2		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
SLEEPING RPL #3		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
SLEEPING RPL #4		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	
MECH/ELECT		09	09	09	09	09	09	09	09	09	09	09	09	09	09	09	

**FINISH SCHEDULE**

FINISH	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114
APPARATUS BAY															
OFFICE															
UNSEX TOILET															
SLEEPING RPL #1															
CORRIDOR															
MEETING ROOM															
SLEEPING RPL #2															
BARRING CENTER															
TOILET															
SHOWER															
LOCKERS															
SLEEPING RPL #3															
CORRIDOR															
SLEEPING RPL #4															
MECH/ELECT															



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CONSULTANT

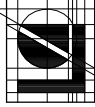
ARCHITECT  
CONSULTANT FOR

DATE: 8-10-23  
DATE

SUBSTATION INTERIOR RENOVATIONS FOR  
**LIVINGSTON COUNTY EMS**  
POULVILLE, MICHIGAN  
**SCHEDULES DETAILS: ELEYS**

**A6**  
**28055**

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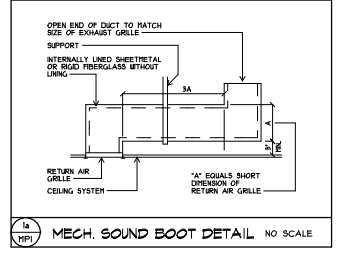
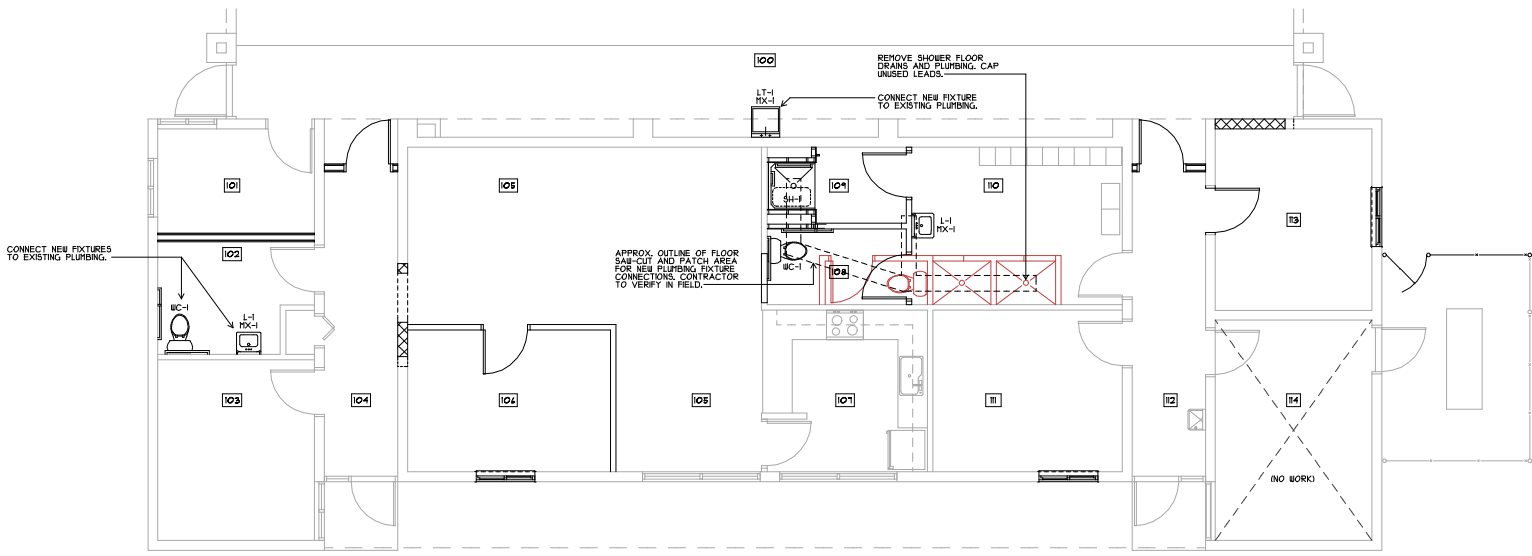
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DATE: 8-10-23  
BY: J.F.  
CHECKED: J.F.  
DATE: 8-10-23  
APP'D: J.F.  
ISSUED FOR: MECHANICAL OVER REVIEW

SUBSTATION INTERIOR RENOVATIONS for:  
**LIVINGSTON COUNTY EMS**  
FOULBEEVILLE, MICHIGAN  
**SCHEMATIC PLUMBING PLAN**

**MP1**  
**28055**



**PLUMBING DESIGN/BUILD CRITERIA NOTES**

PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL DRAWINGS, SPECS, AND PERMIT COSTS AS REQUIRED TO PROVIDE A COMPLETE/OPERATIONAL PLUMBING SYSTEM TO THE OWNER THAT MEETS ALL CODE REQ. PLUMBING CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO THE START OF DESIGN AND CONSTRUCTION.

EXISTING PLUMBING SYSTEM SHALL BE RECONFIGURED TO ACCOMMODATE NEW ROOM LAYOUT MEETING 2018 MICHIGAN PLUMBING CODE REQUIREMENTS

ALL ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" HARD DRAIN COPPER TUBING WITH BROUGHT COPPER OR CAST RED BRONZE FITTINGS.

ALL 1 1/2" AND LARGER WASTE AND VENT PIPING ABOVE AND BELOWGROUND SHALL BE STANDARD WEIGHT CAST IRON SOLE PIPE WITH NO. 100 FITTINGS AND HEAVY DUTY COUPLERS. COUPLERS SHALL BE HEAVY DUTY COUPLERS. ALL 1 1/2" AND LARGER WASTE AND VENT PIPING SHALL BE HEAVY DUTY COUPLERS. ALL 1 1/2" AND LARGER WASTE AND VENT PIPING SHALL BE HEAVY DUTY COUPLERS. ALL 1 1/2" AND LARGER WASTE AND VENT PIPING SHALL BE HEAVY DUTY COUPLERS. ALL 1 1/2" AND LARGER WASTE AND VENT PIPING SHALL BE HEAVY DUTY COUPLERS.

RUN ALL UNDERGROUND SANITARY 2 1/2" OR LESS AT 1/4" PER FOOT MINIMUM PITCH. SANITARY PIPING 3" OR LARGER SHALL BE PITCHED AT 1/8" PER FOOT MINIMUM.

1b  
MP1

MARK	DESCRIPTION	ACCESSORIES	PIPE CONNECTION SIZES
WC-1	FLOOR MOUNTED TANK TYPE WATER CLOSET. AMERICAN STANDARD CHARPION 4 ELEVATED ADA 8 1/2" HIG. LOW CONSTRUCTION TWO PIECE TANK TOILET 400202KA	SEAT, AMER. STD. 8500510 SUPPLY FIGURE WHITE/IVY FLANGE 1/4" TURN ANGLE VALVE	1/2" WASTE 2" VENT 1/2" COLD WATER
L-1	WALL MOUNTED LAVATORY. HANDHELD ZOWHINS-4 WALL MOUNTED ADA LAVATORY WITH BACKSPASH	FAUCET, AMER. STD. 428R204VAG02 AERATOR, AMER. STD. #V08, DRAIN, #CC006 REG. SUPPLY FIGURE BIBICO, 1/2" TURN PLUMBING, #CC006-IT 1/2" COLD WATER CARRIES JAY 8 5/8" #000-2 ROVISE, #TR001 1/4" GARD PLASTIC PIPE COVERS	1 1/2" WASTE 1 1/2" VENT 1/2" COLD WATER 1/2" HOT WATER
SH-1	ADA SHOWER MODULE. BEST BATH #LCS43MARB	SYMPONS THERM-TROL 1 #S-300-#B30-7 CONCRETE VALVE #/ CHROME PLATED HANDLE, BALL/HAND SHOWER HEAD, IN LINE VACUUM BREAKER, FLEXIBLE RETAIL HOSE AND 30" SLIP BARK.	3" WASTE 1 1/2" VENT 1/2" COLD WATER 1/2" HOT WATER
LT-1	LAUNDRY TUB. WASTE #RCF COMBO PACK	UNT COMES COMPLETE WITH FLUSHING SPOUT FAUCET, FLUSHING SPOUT LINE, 1 1/2" B-TAP WITH 1/2" TALLFACE AND STOPPER.	1 1/2" WASTE 1 1/2" VENT 1/2" COLD WATER 1/2" HOT WATER
RX-1	THERMOSTATIC MIXING VALVE. BATTS LUSG-B-R2	ASSE 1070 THERMOSTATIC MIXING VALVE.	1/2" COLD WATER 1/2" HOT WATER

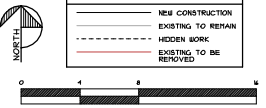
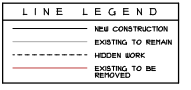
1c  
MP1

**ROOM LEGEND**

100	APPARATUS BAY
101	OFFICE
102	UNSEX TOILET
103	SLEEPING RM. #1
104	CORRIDOR
105	MEETING ROOM
106	SLEEPING RM. #2
107	EXIST. HARBING CENTER
108	TOILET
109	SHOWER
110	LOCKERS
111	SLEEPING RM. #3
112	CORRIDOR
113	SLEEPING RM. #4
114	RECH. / ELECT.

2  
MP1

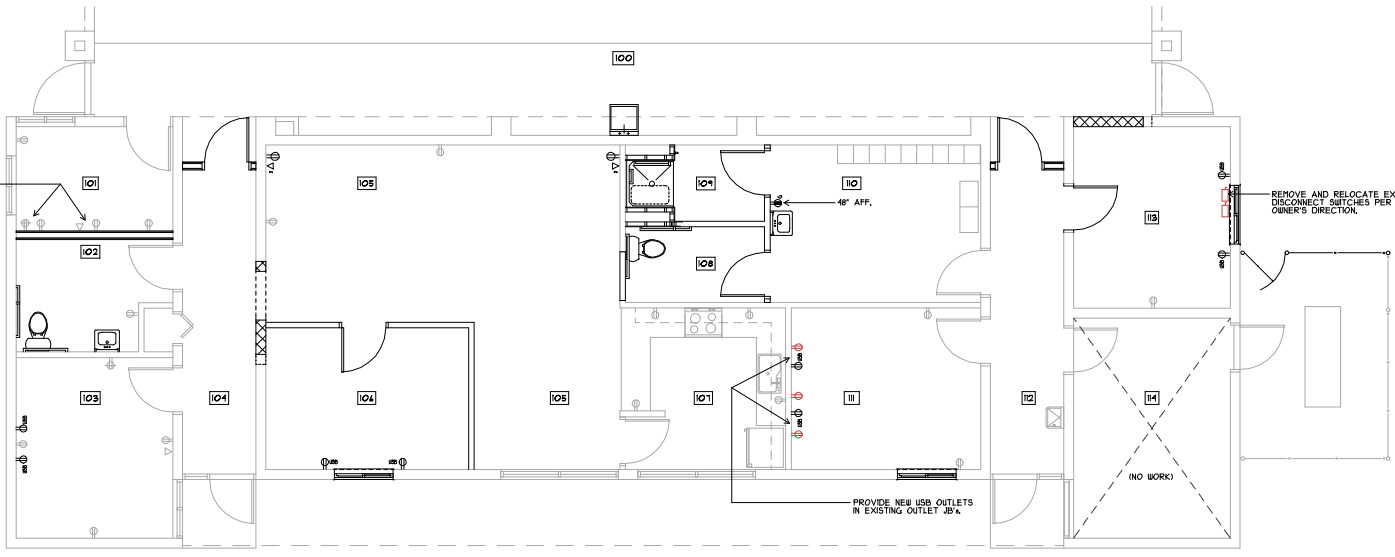
VERIFY ALL EXIST. BUILDING CONDITIONS IN FIELD INCLUDING CONSTRUCTION MATERIALS, DIMENSIONS, AND VERTICAL ELEVATIONS PRIOR TO FABRICATION AND ERECTION OF ALL MATERIALS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.



**SCHEMATIC PLUMBING PLAN**



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ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL DRAWING SHEETS AND PERMIT COSTS AS WELL TO PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM TO THE OWNER THAT MEETS ALL CODE REQ.

ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING POWER SUPPLY AND FIELD CONDITIONS PRIOR TO THE START OF DESIGN AND CONSTRUCTION.

EXISTING ELECTRICAL SYSTEM SHALL BE RESPONSIBLE TO ADJUST TO THE NEW RIGID LAYOUT MEETING 2025 MICHIGAN ELECTRICAL CODE REQUIREMENTS.

ALL WIRING AND BUSES SHALL BE COPPER. ALL CIRCUITS SHALL BE 20 AMP. NO MORE THAN 8 GENERAL PURPOSE OUTLETS ON ONE CIRCUIT. NO MORE THAN 4 OFFICE EQUIPMENT / WORKSTATION OUTLETS ON ONE CIRCUIT. ALL PROPOSED COPY MACHINE LOCATIONS SHALL BE ON A DEDICATED CIRCUIT. ALL DEVICE PLATES SHALL BE STAINLESS STEEL PER THE ELECTRICAL CONTRACTOR. EXCEPT DATA FACEPLATES MENTIONED BELOW.

PROVIDE ALL GFI OUTLETS WHERE SHOWN AND WHERE REQUIRED BY CODE.

ALL WIRING SHALL BE WITHIN CONDUIT. INSTALL GFI FOR LIGHTING RECEPTACLE APPLIANCES, BRANCH CIRCUIT BREAKER AUXILIARY SYSTEMS WIRING, AND HVAC CONTROL WIRING CONCEALED ABOVE CEILINGS AND IN PARTITIONS.

ALL BOXES AND CONDUIT ARE BY ELECT. CONTRACTOR.

ALL CAT & CABLES CONNECTIONS, AND DATA FACEPLATES SHALL BE BY OWNER.

**1a** **ELECT. DESIGN / BUILD**  
**E1** **CRITERIA NOTES**

- Δ DATA OUTLET - REFERAL INDICATES QUANTITY OF DATA OUTLETS. ROUTING HEIGHT = 18" AFF. UNLD.
- ⊕ DATA RECEPTACLE, DOV, 20A, GROUNDING TYPE
- ⊕ DUPLEX RECEPTACLE, DOV, 20A, GROUNDING TYPE
- ⊕ USB CHARGER RECEPTACLE
- ⊕ DUPLEX RECEPTACLE GFI TYPE, DOV, 20A, GROUNDING TYPE
- ⊠ JUNCTION BOX

**1b** **ELECT. SYMBOLS**  
**E1**

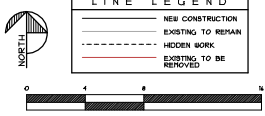
100	APPARATUS BAY
101	OFFICE
102	URINEX TOILET
103	SLEEPING RFL #1
104	CORRIDOR
105	MEETING ROOM
106	SLEEPING RFL #2
107	EXIST. WARRING CENTER
108	TOILET
109	SHOWER
110	LOCKERS
111	SLEEPING RFL #3
112	CORRIDOR
113	SLEEPING RFL #4
114	MECH. / ELECT.

**2** **ROOM LEGEND**  
**E1**

VERIFY ALL EXIST. BUILDING CONDITIONS IN FIELD, INCLUDING CONSTRUCTION MATERIALS, DIMENSIONS, AND VERTICAL ELEVATIONS PRIOR TO FABRICATION AND ERECTION OF ALL MATERIALS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.

**LINE LEGEND**

—	NEW CONSTRUCTION
- - -	EXISTING TO REMAIN
- - - - -	HIDDEN WORK
— · — · —	EXISTING TO BE REMOVED



**SCHMATIC ELECTRICAL PLAN**



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RECORD OWNER REVIEW ISSUED FOR  
DATE: 8-14-25  
BY: JAE

SUBSTATION INTERIOR RENOVATIONS FOR  
**LIVINGSTON COUNTY EMS**  
FOULERVILLE, MICHIGAN  
**SCHMATIC ELECT. PLAN**

